

Equus Beds project summary of selected water-quality data near, and associated with, ASR Phase II sites; average concentrations before artificial recharge activity onset, June 1997 through August 2010.

[µg/L, micrograms per liter; <, less than; mg/L, milligrams per liter; col/100 mL, colonies per 100 milliliters]

| Water-quality constituent | Water-quality standard | Shallow monitoring wells | Deep monitoring wells | ADR-P2 diversion well |
|--------------------------------|------------------------|--------------------------|-----------------------|-----------------------|
| | | July 1997–August 2010 | June 1997–August 2010 | June 2010 |
| Arsenic, in µg/L | 10 ¹ | 3.63 | 3.58 | 2.06 |
| Iron, in µg/L | 300 ² | 1038 | 62 | <100 |
| Manganese, in µg/L | 50 ² | 88 | 258 | 133 |
| Chloride, in mg/L | 250 ² | 42.6 | 58 | 15.8 |
| Sodium, in mg/L | 20 ³ | 48.7 | 82.9 | 36.6 |
| Sulfate, in mg/L | 250 ² | 108 | 67.6 | 81.1 |
| Nitrate plus nitrate, in mg/L | 10 ¹ | 5.62 | 0.26 | <0.02 |
| Alachlor, in µg/L | 2 ² | 0.026 | 0.012 | 0.01 |
| Atrazine, in µg/L | 3 ³ | 0.112 | 0.016 | 0.43 |
| Fecal coliforms, in col/100 mL | 2,000 ⁴ | 1.3 | 1.0 | 2.0 |

¹U.S. Environmental Protection Agency Maximum Contaminant Level (2009).

²U.S. Environmental Protection Agency Secondary Maximum Contaminant Level (2009).

³U.S. Environmental Protection Agency Drinking Water Advisory (2012).

⁴Kansas Department of Health and Environment (2004).